

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	10/647,668
Confirmation Number	2143
Filing Date	August 25, 2003
First Named Inventor	Fujio AKAHANE
Art Unit	3725
Examiner Name	Daniel C. CRANE
Attorney Docket Number	Q77134

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 6,449,836	B1	12-31-2002	Usui et al.
		US 2005/0057616	A1	03-17-2005	Usui et al.
		US 2003/0029038	A1	02-13-2003	Usui et al.
		US			
		US			
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	2000-263799	A	09-26-2000	Seiko Epson Corporation	Corresponds to US 6,449,836, US 2005/0057616, and US 2003/0029038
		JP	03-264139	A	11-25-1991	Chiyouuritsu Seisakusho:KK	Abstract
		JP	04-284925	A	10-09-1992	Yamada Seisakusho Co Ltd	Abstract
		JP	59-066935	A	04-16-1984	Tanaka Kikinzoku Kogyo KK	Abstract
		JP	10-296350	A	11-10-1998	Toshiba Corp	Abstract
		JP	07-032063	A	02-03-1995	Omron Corp	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature

D. CRANE

Date Considered

3-16-2006

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
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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,857,397	A	01-12-1999	Matsubayashi, et al.
		US			
		US			
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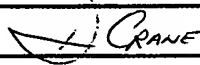
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ² (if known)			
		CN	1157204	A	08-20-1997	Seiko Epson Corporation	corresponds with US 5,857,907

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

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